storm_surgeX

Location: emergencyplanning\storm_surgeX.shp (X = 1 to 5)

Description
These layers consist of hurricane storm surge boundaries for Bay County, identifying categories 1-5, including Shell Island. This data consists of 5 separate overlapping shapefiles with polygon features.

Source
Bay County GIS received a CD of the Northwest Florida (NWF) Hurricane Evacuation Study (HES), dated July 1999, from US Army Corps of Engineers (COE). The CD is associated with the NWF Hurricane Storm Tide Atlas dated May 1998, which the county has in hardcopy. In August 2002, Bay County GIS loaded and reviewed the **BsurgeX.shp** shapefiles and a **Readme.txt** file. Also see **html** files on the CD. Per Tyndall Air Force Base Natural Resources (Dann Childs), this data is unprojected in decimal degrees.

In August 2002, Bay County GIS determined that coverage projection fitted the county data best (and that datum didn't seem to matter). For coverage purposes, Bay County GIS selected **gridcode** = 0 and changed it to 9. **Bsurge1.shp** had a stray vertex (way off in SW for polygon on East side of Hathway bridge), which was deleted. Using ArcToolbox , each **BsurgeX.shp** shapefile was imported to a **BsurgeX** coverage. The import process made polygons in the coverage out of holes (hills or water bodies), assigning **gridcode** = 0. Bay County GIS added **categoryX** field, selected **gridcode** <> 0 and calculated **categoryX** = X. In ArcInfo, **BsurgeX** coverages were projected to **storm_surgeX** coverages in State Plane (NAD83 feet fipszone 903); polygon topology was built. Polygons with **categoryX** = X were selected and converted to **storm_surgeX** shapefiles. (For more details, see **storm_surges.dls** file.)

This data looks same as project-99\taos\county_data**bay__srg.shp** shapefile from The Arbitor of Storms (TAOS) model. However, the TAOS has one combined shapefile with Category 1 – 5 and a Tropical Storm category for Shell Island.

This data will be combined into one layer in the future.

This data is provided with the understanding that the conclusions drawn from such information are solely the responsibilities of the user. The GIS data is not a legal representation of the features depicted, and any assumption of the legal status of this data is hereby disclaimed. Errors or omissions should be reported to the Bay County GIS Division 850-784-6171.

Attribute Table Structure

Item Name	Width	Output	Type	Decimals
gridcode	11	11	I	0
categoryX	1	1	I	0

gridcode
COE grid code
1 (most)
9 (just a few along coast; originally 0; Bay County GIS changed to 9)

categoryX (X = 1 to 5)
Hurricane category: 1 – 5